JVC

SERVICE MANUAL

SPEAKER SYSTEM

SX-SW5TH
(SP-S5,SP-W5)

Area Suffix	
J	The U.S.A.
C	Canada
E	Continental Europe
UZ	Universal Type
US	Singapore
U	Other Area

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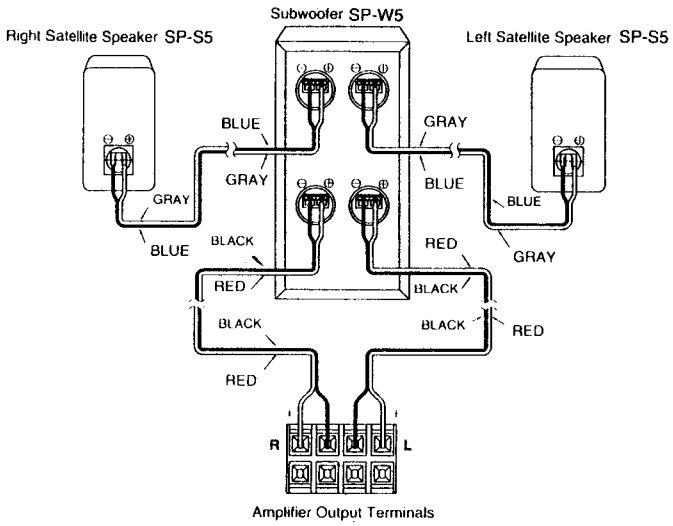
Instruction

Thank you for purchasing JVC SATELLITE & SUBWOOFER SYSTEM.
Before you begin using them, please read the instructions carefully to be sure you get the best possible performance. If you have any questions, consult your JVC dealer.

CONNECTION

Connect speaker wires to match color codes on the speaker and amplifier.



CONNECTION

- Turn off power to the whole system before connecting the speakers to the amplifier.
- The nominal impedance of the SX-SW5TH is 8 ohms. Connect them to an amplifier with the load impedance of 6 ohms speaker.
- Connect the SP-S5 satellite speakers to the output terminals on the SP-W5 subwoofer.
  If another satellite speaker is connected or only the SP-W5 is used, the amplifier may be damaged.
- Do not connect speakers other than the SP-S5 to the output terminals on the SP-W5 subwoofer.
  (The amplifier will perform poorly and may be damaged.)
- Do not connect the SP-S5 directly to the amplifier.
  The SX-SW5TH satellite speaker system (consisting of an SP-W5 subwoofer and two SP-S5 satellite speakers) is rated at 100 watts.
  (They may get overloaded and so be damaged.)
- The maximum power handling capacity of the SX-SW5TH is 100 watts. Excessive input will result in abnormal noise and possible damage.
  In cases where the signals described below are applied to the speakers, even if the signals are below the maximum allowable input, they may cause an overload and burn the wiring of the speakers. Be sure to lower the amplifier volume beforehand.
  1) Noise during FM tuning.
  2) High level signals containing high frequency components produced by a tape deck in the fast forward mode.
  3) Click noise produced when turning power of other components on and off.
  4) Click noise produced when connecting or disconnecting cords with the power on.
  5) Click noise produced when the cartridge is replaced with the power on.
  6) Click noise produced when operating amplifier switches.
  7) Continuous high frequency oscillation or high pitch electronically produced musical instrument sound.
  8) Howling when using a microphones.

- Using the speaker with audio and visual equipment
  If you want to enjoy Dolby surround playback with more emphasized bass, install a subwoofer system (SP-W5) with its back on a large, rigid wall by making use of the setup free feature of the speaker. It is recommended that the SP-X5TH be used as the central speaker and surround speaker to reproduce the Dolby Pro-logic effectively.
- The speakers have been demagnetized to prevent uneven colors on color television screens. However, colors on the television screen may become uneven in some system configurations. Therefore, take the following precautions when installing speakers.
  1. If you combine a television set with speakers, turn the main power switch of the television set off before installing speakers. When the main power switch is turned off, it should be turned on again after at least 30 minutes.
  2. If there is a non-demagnetized speaker system other than this JVC system near a television set, it may cause uneven colors.
  3. If colors become uneven due to some types of televisions, move the speaker system away from the television set.

SPECIFICATIONS

SX-SW5TH

Type	
SP-S5 SATELLITE SPEAKER	: Fullrange bass - reflex Type (Magnetically-shielded Type)
SP-W5	: kelton type
Speakers	
SP-S5 SATELLITE SPEAKER	: 10.0 cm (4") cone
SP-W5 SUBWOOFER	: 13.5 cm (5-3/8") cone
Power Handling Capacity	: 100 watts + 100 watts (Lift + Right)
Impedance	: 8 ohms (each)
Frequency Range	: 45 Hz - 16,000Hz
Sound Pressure Level	: 91.0 dB/w • m
Dimensions (W x H x D)	
SP-S5 SATELLITE SPEAKER	: 150 x 200 x 157 mm (5-15/16" x 7-7/8" x 6-3/4")
SW-W5 SUBWOOFER	: 158 x 385 x 451 mm (7-5/16" x 15-3/16" x 17-13/16")
Mass	
SP-S5 SATELLITE SPEAKER	: 1.3kg (2.9 lbs) (each)
SP-W5 SUBWOOFER	: 11.0kg (24.3 lbs)

Design and specifications subject to change without notice.

Guide to Repair (SP-S5)

SP-S5

■ Removing the Saran Board

The Saran Board are held in place by screws from the rear of the Ornament, Remove the ornament,then replace the Saran Board.

■ Removing the Ornament

The ornament is held in place by four screws from the rear. Remove the screws, then replace the ornament (See Fig.1)

Note:

When removing the ornament assembly, use a felt or other soft cloth to protect the ornament and cabinet against marks or flaws.

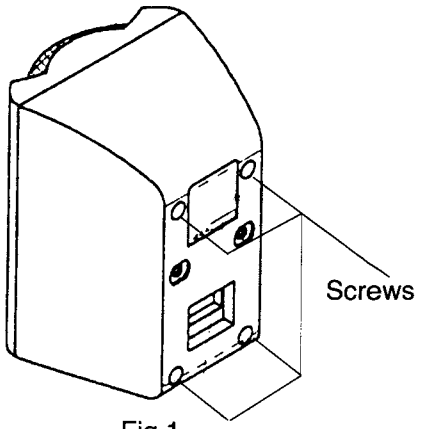


Fig.1

■ Removing the Speaker unit

It mounted on the front side the ornament.Remove the Saran Board before dismounting the Speaker Unit.

■ Removing the Speaker Terminal

The Speaker Terminal is mounted on the inside of the cabinet back. Remove the ornament, then replace the Speaker Terminal.(See Fig.2)

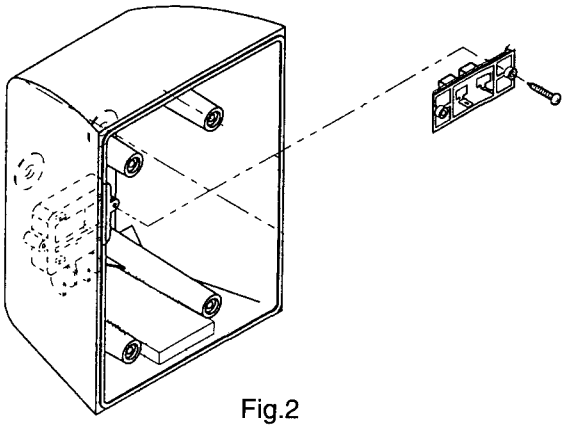


Fig.2

Guide to Repair (SP-W5)

SP-W5

■ Removing the Ornament

1. Remove the ten screws holding the back of the cabinet in place.
2. Remove the twelve screws holding the speaker unit and duct mounted on the partition inside the cabinet.
3. Remove the four screws from the back of the cabinet front.(Fig.3)

Note:

When removing the ornament assembly, use a felt or other soft cloth to protect the ornament and cabinet against marks or flaws.

■ Removing the Speaker units

The speaker units are mounted on the rear of the partition inside the cabinet. Remove the back board, then replace the speaker unit.(Fig.3).

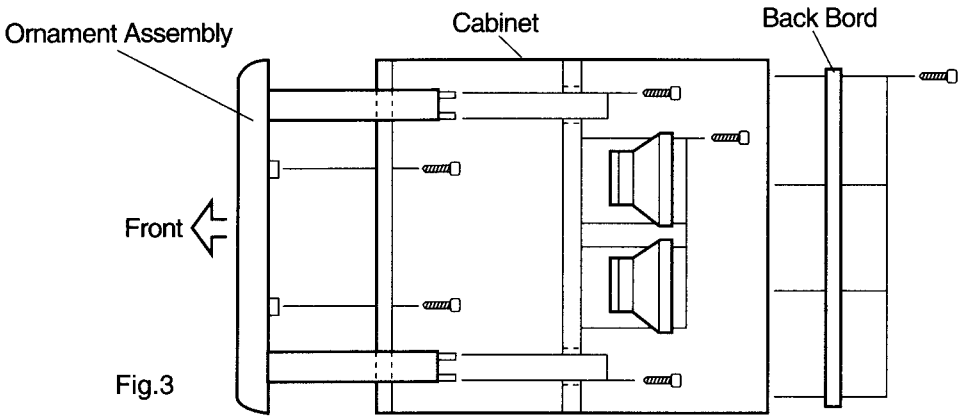


Fig.3

■ Removing the Speaker Terminal

The speaker terminal, which located at the backboard, is provided with two cutouts(top and bottom). (See Fig.4)

To remove the speaker terminal, alternately insert a flat screwdriver into these two cutouts lift the speaker terminal up and off(See Fig. 5).

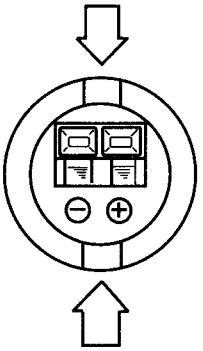


Fig.4

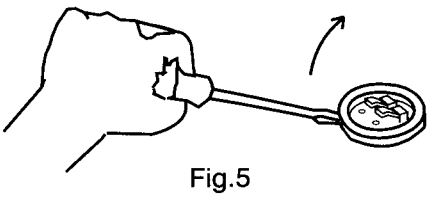


Fig.5

Note:

When the speaker terminal is replaced, secure the inside of the new speaker terminal using rubber adhesive to prevent air leakage(See Fig. 6).

Note:

When doing the work, cover the ornament, cabinet, and speaker units with felt or soft cloth to prevent damaging them or leaving tool marks.

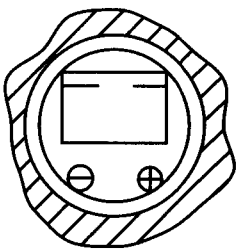
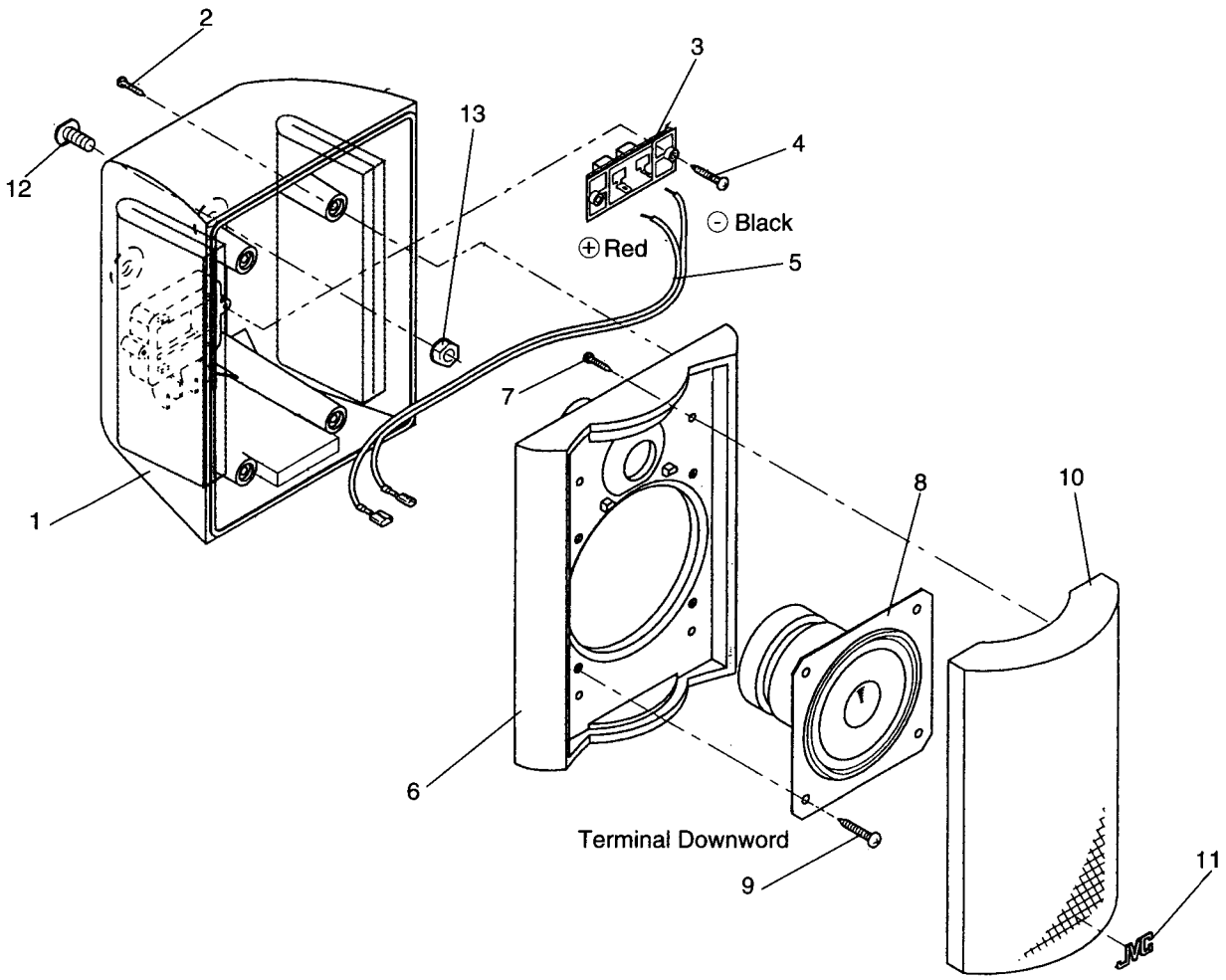


Fig.6

eneral Exploded View and Part List (SP-S5)

Block No. M 1 M M



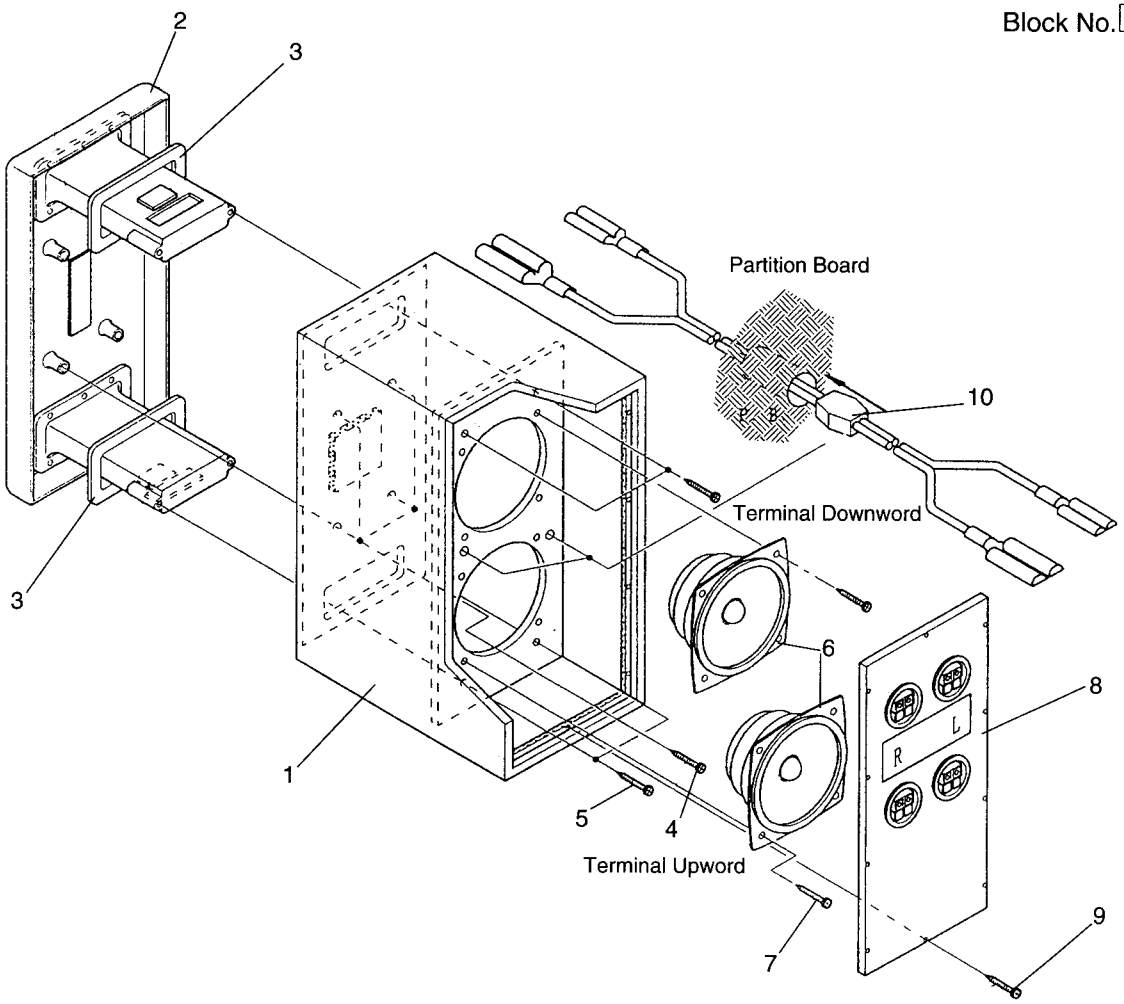
■ Parts List

Block No. M 1 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Areas
	1	EZC-SP-XS5	Cabinet Assembly	1	with Bottom Board	
	2	SBSF4020Z	Screw	4		
	3	E03823-111	Speaker Terminal	1		
	4	SBSF3012Z	Screw	4		
	5	E408835-001	Wire Assembly	1		
	6	LE10102-001A	Ornament	1		
	7	SBSF4014Z	Screw	4		
	8	HSA1099-02U	Speaker	1	SP11	
	9	SBSF4010M	Screw	1		
	10	LE10104-001A	Saran Board Assembly	1		
	11	E75939-001	Mark	1		
	12	E74599-001	S,Screw	2		
	13	HEW2015-003	Nut	2		

General Exploded View And Part List (SP-W5)

Block No. M 2 M M



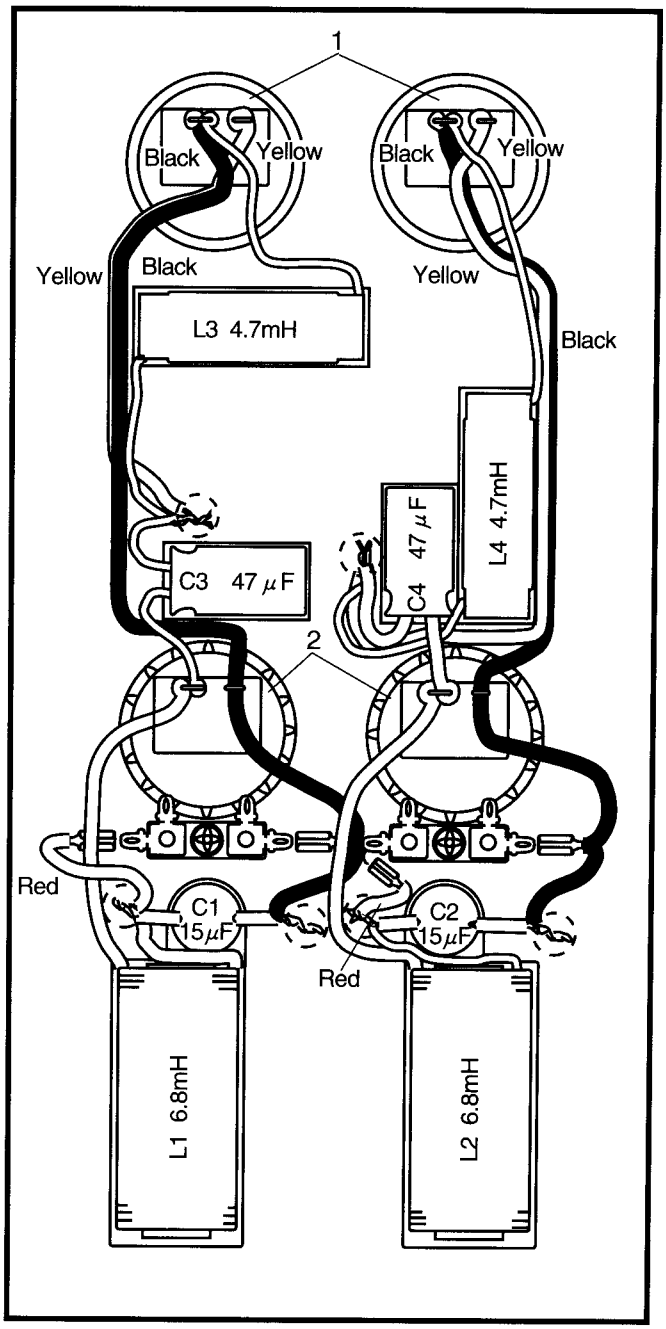
Parts List

Block No. M 2 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Areas
	1	EZC-SP-W5	Cabinet Assembly	1		
	2	LE30416-001A	Ornament Assembly	1		
	3	E407245-001	Spacer	2		
	4	GPSA3525Z	Screw	4		
	5	GPSA3530Z	Screw	4		
	6	HSA1499-02U	Speaker	2		
	7	SDSA4020Z	Screw	8		
	8	LE30456-001A	Network Assembly	1	(Back Board)	
	9	GPSA3530M	Screw	10		
	10	WE07126-00A	Wire Assembly	2		

Neteork Assembly And Part List (SP-W5)

Block No. M 3 M M



■ Parts List

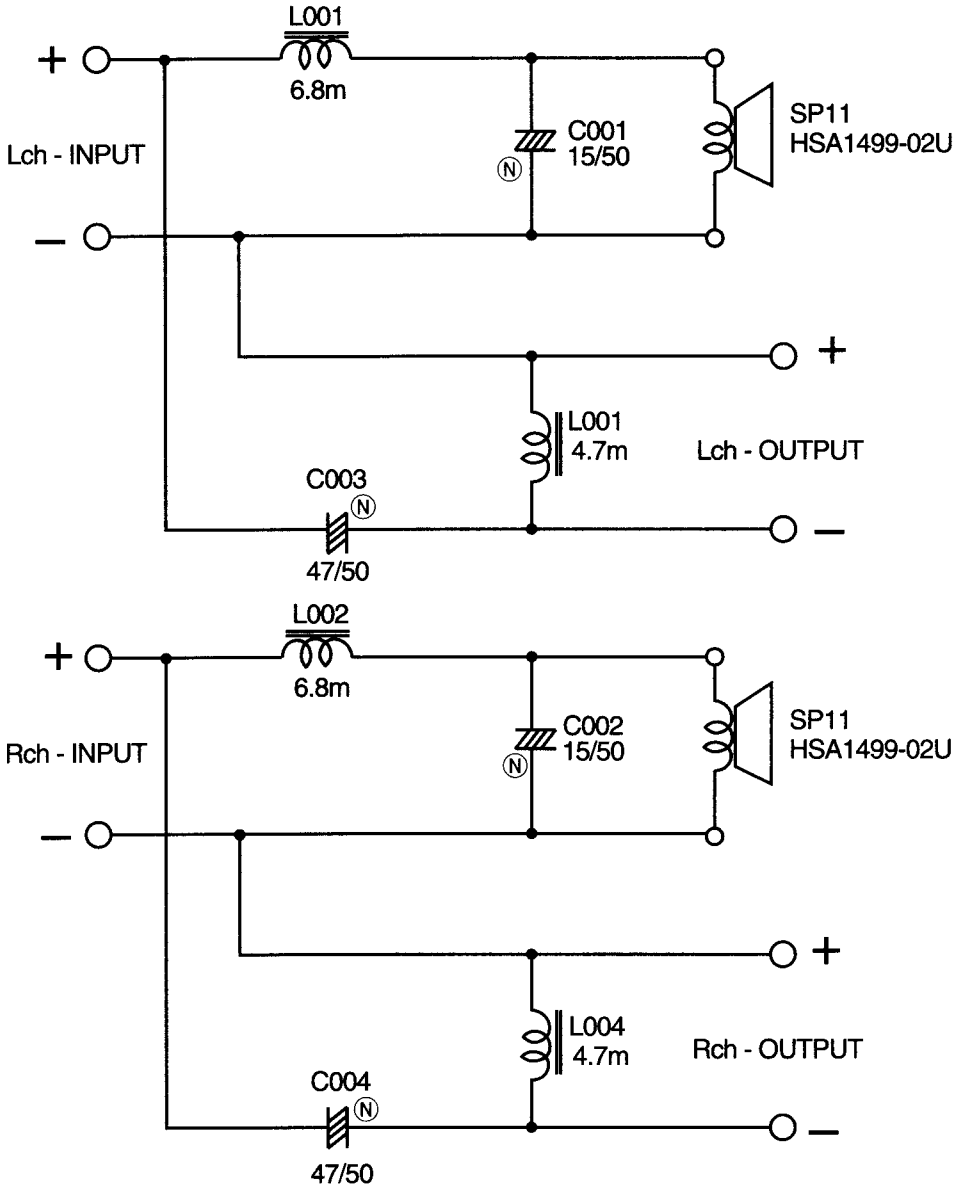
Block No. M 3 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Areas
	1	E03823-092	Speaker Terminal	1	Red & Black	
	2	E03823-094	Speaker Terminal	1	Red & Gley	

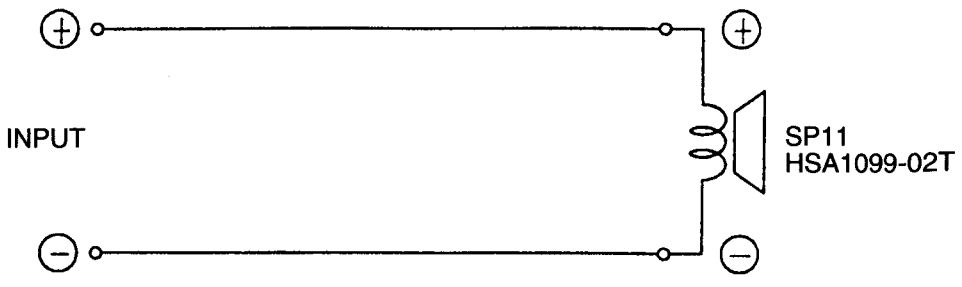
Note : Network assembly parts other than the speaker terminals are not supplied.

Schematic Diagram

■ SP-W5



■ SP-S5



Accessories List

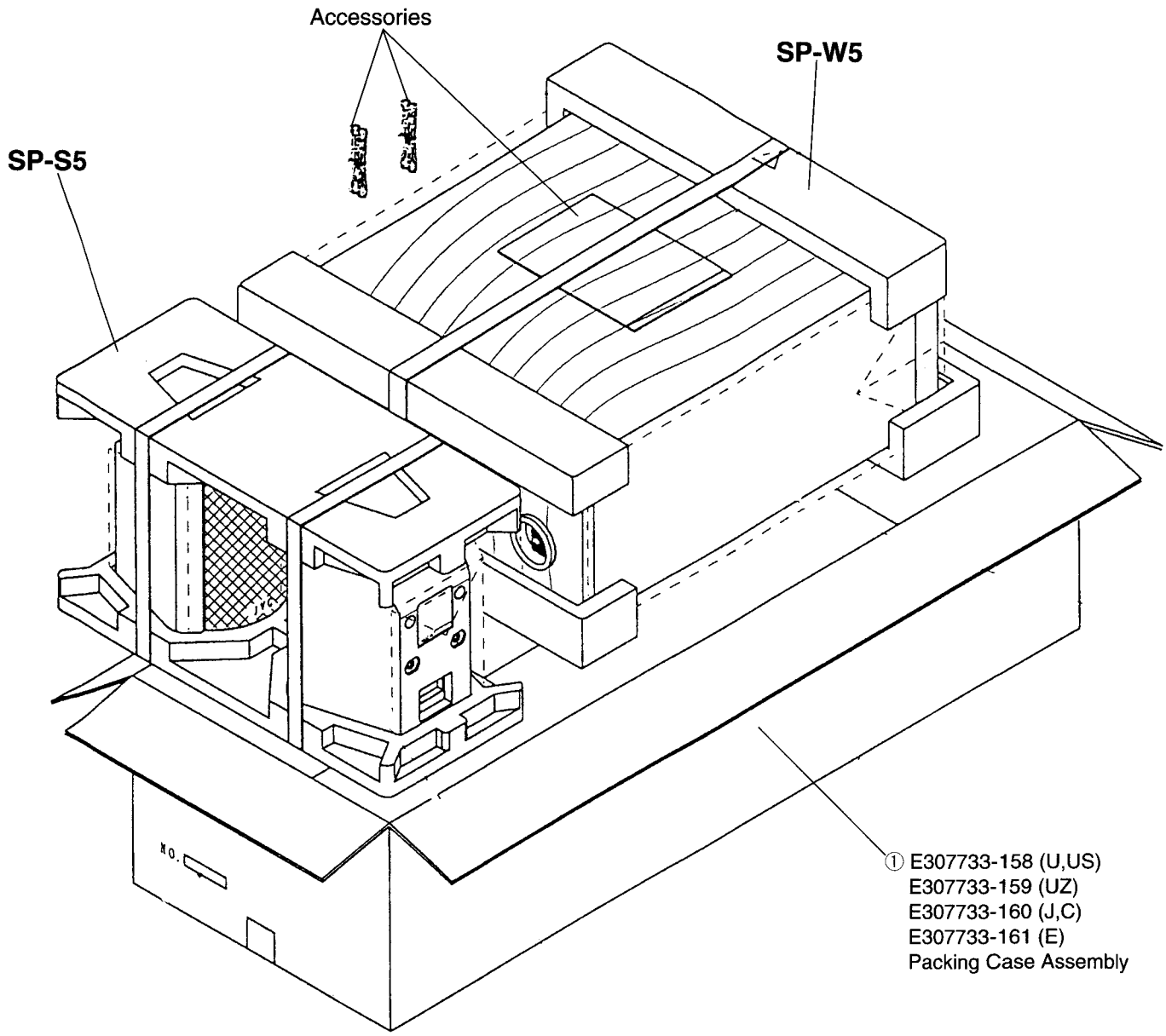
Block No. M 4 M M

⚠	Item	Part Number	Part Name	Q'ty	Description	Areas
	–	LET0043-001A	Instruction Book	1		J
	–	LET0043-002A	Instruction Book	1		C
	–	LET0044-001A	Instruction Book	1		E
	–	LET0044-002A	Instruction Book	1		U,US,UZ
	–	E408249-001	Speaker Cord	2	Red &Black	
	–	E408267-001	Speaker Cord	2	Bule&Gray	
	–	BT-52002-1T	Warranty Card	1		C
	–	BT20071B	Service Center List	1		C
	–	E309822-005	Envelope	1		

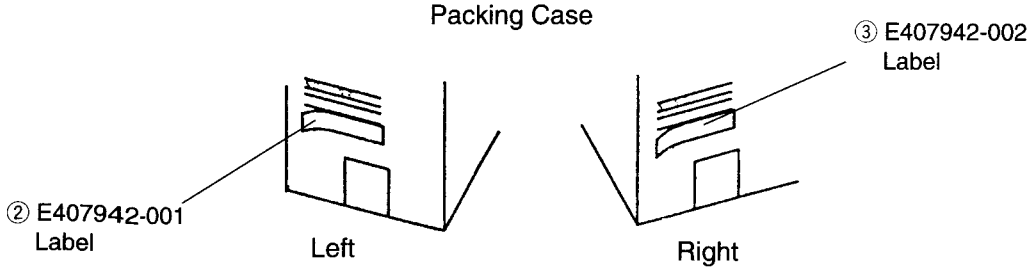
The Marks for Designated Areas
J .....The U.S.A.
C .....Canada
E .....Continental Europe
UZ .....Universal Type
US .....Singapore
U .....Other Area
No mark indicates all areas

Packing Materials and Parts Numbers

Block No. M 5 M M



C version only



The Marks for Designated Areas	
J	The U.S.A.
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■ SP-S5

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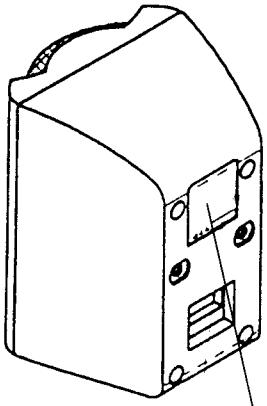
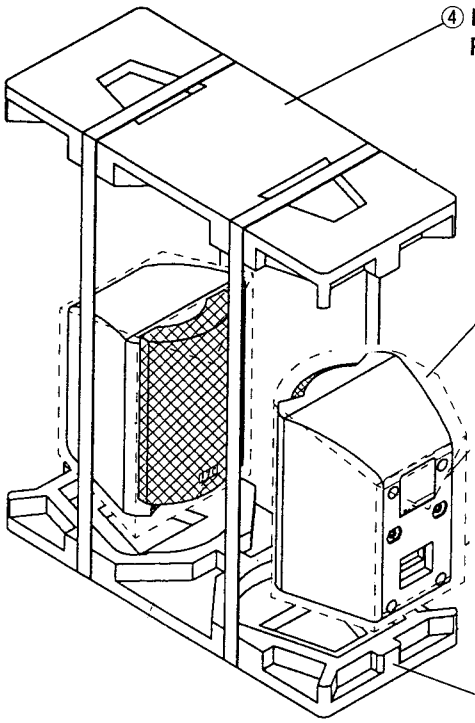


⑦ LE40234-001A (J)
LE40234-002A (C)
LE40234-003A (E)
LE40234-004A (U)
LE40234-005A (US)
LE40234-006A (UZ)
Rating Label

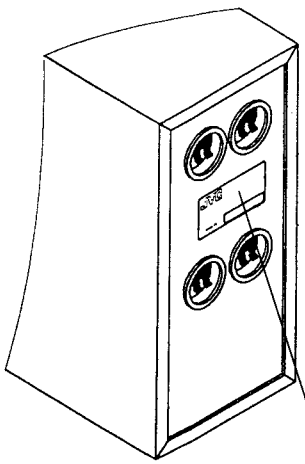


④ LE20157-001A
Packing Pad

⑥ E309822-021
Envelope

⑤ LE20181-001A
Packing Pad

■ SP-W5



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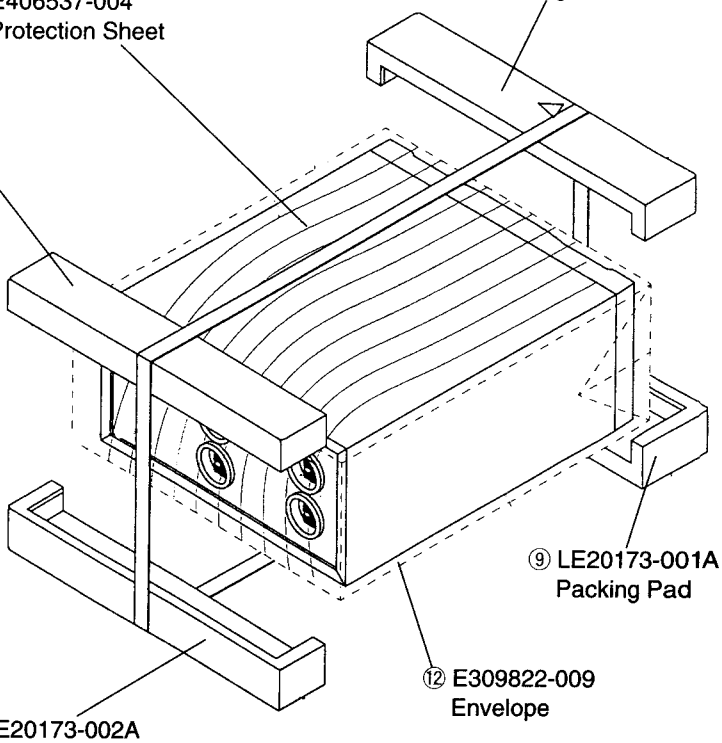

⑧ LE20172-001A
Packing Pad

⑬ E406537-004
Protection Sheet

⑩ LE20172-002A
Packing Pad

⑨ LE20173-001A
Packing Pad

⑫ E309822-009
Envelope

⑪ LE20173-002A
Packing Pad